

REMARKS/ARGUMENTS

Applicants wish to thank the Examiner for considering the present application. In the Office Action dated March 28, 2003, claims 1-20 are pending in the application. Applicants respectfully request the Examiner for reconsideration.

Fig. 7A is objected to for failing to have the legend "prior art." Applicants have amended Fig. 7A to include the designation "prior art." Fig. 6 appears to have been shown twice in the drawings that were originally filed with the application - once on sheet 4 of 6 and a second time on sheet 5 of 6 with Fig. 7A. Therefore, the Office is being requested to delete sheet 4 of 6 which only has Fig. 6 if there is a redundancy in the drawings in the Office.

Claims 1-20 stand rejected under 35 U.S.C. §102(e) as being anticipated by *Perahia* (6,188,896). Applicants have amended independent claims 1, 9, and 15.

The *Perahia* reference does not take into consideration the side lobes of the beam when determining an interference pattern. In fact, the *Perahia* reference appears to use the words "side lobe" only in the background of the invention in Col. 3, lines 52-66. This passage states in part that, "Past antennas have also been designed to reduce sidelobes to a desired level to reduce interference." As stated on page 9 of the present application, "By relaxing requirements on the side lobe, better main lobe performance may be achieved with an antenna design that requires side lobe suppression for all beams." Although side lobes may have been suppressed for all beams in previous systems, what is not shown in the *Perahia* reference is "selectively suppressing" a sidelobe as recited in claims 1 and 9. As recited in Claim 1, for example, the portion that is not suppressed aligns with the second resource cell (which does not have the same communication resource as the first resource cell). As recited in Claim 2, the step of selectively suppressing comprises the step of reshaping the antenna to suppress side lobe interference at the interference locations.

Claim 1 has been herein amended to improve form in terms of readability and the changes are not necessary to distinguish over the references. Therefore, these amendments are not narrowing amendments.

Claim 9 has been amended to recite that "said side lobes are unsuppressed in the second plurality of cells" to clarify the selective suppression aspect. This is not a narrowing amendment required to distinguish over the reference.

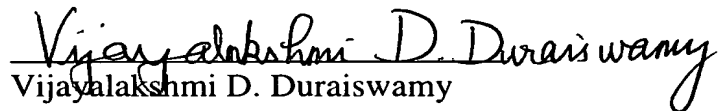
Claim 15 now recites selectively reshaping the antenna to selectively suppress interference at the interference locations, to clarify that the suppression is selective. This is not a narrowing amendment required to distinguish over the reference.

Therefore, because each and every element of claims 1, 9 and 15 is not present in the *Perahia* reference, Applicants respectfully request the Examiner for reconsideration. The *Perahia* reference neither teaches nor suggests the present claims. Applicants also respectfully request the Examiner to reconsider Claims 2-8, 10-14, and 16-20 which depend directly or indirectly from independent claims 1, 9 or 15. These claims are also believed to be allowable for generally the same reasons discussed above and further due to the additional limitations recited therein.

New claims 21-24, fully supported by the original specification, and believed to be allowable, are also submitted herein for consideration.

In light of the above amendments and remarks, Applicants submit that all rejections are now overcome. Applicants have added no new material to the application by these amendments. The application is now in condition for allowance and expeditious notice thereof is earnestly solicited. Should the Examiner have any questions or comments which would place the application in better condition for allowance, he is respectfully requested to call the undersigned attorney.

Respectfully submitted,


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